

LISTING OF THE CLAIMS

1. (currently amended) A composition comprising a polyamide/polyolefin blend having a polyamide matrix, containing carbon nanotubes, wherein said carbon nanotubes are tubes or hollow fibres having a diameter of about 5 to 20 nanometres (nm) and a length of 100 to 1000 times the diameter, wherein said polyamide portion of the polyamide/polyolefin blend is from 40 to 90 percent by weight of said blend, and the polyolefin portion of the polyamide/polyolefin blend is from 10 to 60 percent by weight.
2. (cancelled)
3. (original) The composition according to Claim 1, in which the proportion of nanotubes by weight is between 0.1 and 10% per 99.9 to 90% of the polyamide/polyolefin blend, respectively.
4. (original) The composition according to Claim 3, in which the proportion of nanotubes by weight is between 1 and 7% per 99 to 93% of the polyamide/polyolefin blend, respectively.
5. (original) The composition according Claim 4, in which the proportion of nanotubes by weight is between 2 and 6% per 98 to 94% of the polyamide/polyolefin blend, respectively.
6. (previously presented) Structures comprising at least one layer formed from a blend according to Claim 1.
7. (withdrawn) The structure of Claim 6 wherein said structure is selected from the group consisting of bottles, tanks, containers, hoses, pipes and vessels.

8. (withdrawn) A multilayer tube comprising, in its radial direction from the outside inwards:

- an outer layer (1) formed from a polyamide chosen from PA-11 and PA-12;
- a layer (2) formed from a tie;
- an optional layer (3) formed from a saponified ethylene/vinyl acetate copolymer (EVOH);
- optionally, a tie layer (this does not exist if no layer (3) is present);
- an inner layer (4) formed from a polyamide/polyolefin blend having a polyamide matrix and containing carbon nanotubes;

with the layers being successive and adhering to one another in their respective areas of contact.

9. (withdrawn) The tube according to Claim 8, in which the layer (4) is replaced with a layer (4a) and a layer (5), such that:

- the layer (4a) is formed from a polyamide (A1) or a polyamide/polyolefin blend having a polyamide matrix but does not contain carbon nanotubes;
- the layer (5) is placed on the inside of the tube and is formed from a polyamide/polyolefin blend having a polyamide matrix and contains carbon nanotubes, according to any one of Claims 1 to 5;
- an optional tie layer being placed between the layers (4a) and (5).

10. (new) The composition of claim 1, wherein said polyolefin of the polyamide/polyolefin blend is itself a blend comprising:

- i) a high density polyethylene (HDPE); and
- ii) a blend of a polyethylene (C1) and a polymer (C2) chosen from elastomers, very low-density polyethylenes and ethylene copolymers, the (C1) + (C2) blend being cografted with an unsaturated carboxylic acid or an unsaturated carboxylic acid anhydride.